**Basic Similar Triangles**

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| **1)** Find the missing length,  $x$, in triangle ABC below      http://www.mathster.com/course/simgs/24961532871_1.pnghttp://www.mathster.com/course/simgs/24961532871_2.png | [1]   |
| **2)** Find the missing length,  $x$, in triangle ABC below      http://www.mathster.com/course/simgs/24961532871_3.pnghttp://www.mathster.com/course/simgs/24961532871_4.png | [1]   |
| **3)** Find the missing length,  $x$, in triangle ABC below      http://www.mathster.com/course/simgs/24961532871_5.pnghttp://www.mathster.com/course/simgs/24961532871_6.png | [1]   |
| **4)** Find the missing length,  $x$, in triangle DEF below.      http://www.mathster.com/course/simgs/24961532871_7.pnghttp://www.mathster.com/course/simgs/24961532871_8.png | [1]   |
| **5)** Find the missing length,  $x$, in triangle DEF below.      http://www.mathster.com/course/simgs/24961532871_9.pnghttp://www.mathster.com/course/simgs/24961532871_10.png | [1]   |
| **6)** Find the missing length,  $x$, in triangle DEF below.      http://www.mathster.com/course/simgs/24961532871_11.pnghttp://www.mathster.com/course/simgs/24961532871_12.png | [1]   |
| **7)** Triangle ABC is similar to triangle DEF. Find the length of the sides  $x$ and  $y$.      http://www.mathster.com/course/simgs/24961532871_13.pnghttp://www.mathster.com/course/simgs/24961532871_14.png | [1]   |
| **8)** Triangle ABC is similar to triangle DEF. Find the length of the sides  $x$ and  $y$.      http://www.mathster.com/course/simgs/24961532871_15.pnghttp://www.mathster.com/course/simgs/24961532871_16.png | [1]   |
| **9)** Triangle ABC is similar to triangle DEF. Find the length of the sides  $x$ and  $y$.      http://www.mathster.com/course/simgs/24961532871_17.pnghttp://www.mathster.com/course/simgs/24961532871_18.png | [1]   |
| **10)** Triangle ABC is similar to triangle DEF. Find the unknown sides and angles.      http://www.mathster.com/course/simgs/24961532871_19.pnghttp://www.mathster.com/course/simgs/24961532871_20.png | [1]   |

**Solutions for the assessment Basic Similar Triangles**

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| **1)**  $x$ = 6 cm | **2)**  $x$ = 4 cm |
| **3)**  $x$ = 4 cm | **4)**  $x$ = 24 cm |
| **5)**  $x$ = 12 cm | **6)**  $x$ = 60 cm |
| **7)**  $x$ = 7 cm,  $y$ = 45 cm | **8)**  $x$ = 7 cm,  $y$ = 36 cm |
| **9)**  $x$ = 9 cm,  $y$ = 28 cm | **10)**  $v$ = 16 cm,  $w$ = 23 °,  $x$ = 34 °,  $y$ = 36 cm |